

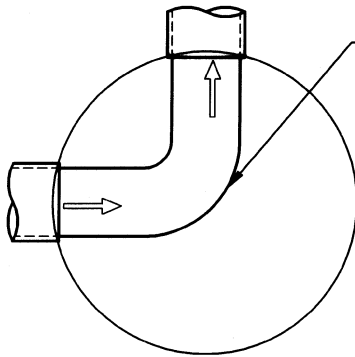
NOTES:

1. MANHOLE BASE REINFORCING IS NOT REQUIRED FOR 36" DIAMETER OR SMALLER.
2. LAY PIPE THRU BOTTOM OF MANHOLES. AFTER CONCRETE IN BASE HAS SET, KNOCK OUT PORTION OF PIPE INDICATED WITH DASHED LINES.

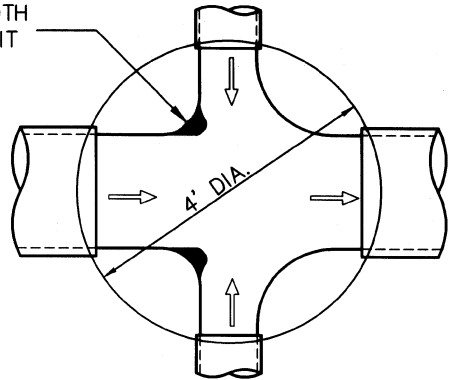
CITY OF MOUNTAIN VIEW DEPARTMENT OF PUBLIC WORKS STANDARD DETAIL

STANDARD SANITARY SEWER MANHOLE

Revision	Date	Approved
Drawn : Q7	Date : 05-09-99	
Checked : RK	Scale : NTS	
APPROVED BY: No. 27089 EXP. 03-31-01		
06-29-99 DATE		
27089 R.C.E. NO.		



TYPICAL CURVED MANHOLE

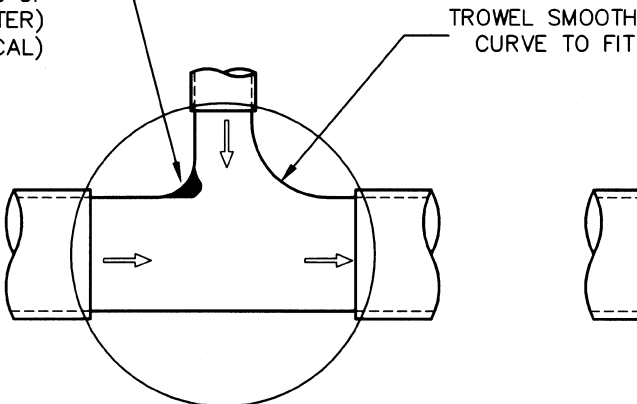


TYPICAL MANHOLE WITH 2 BRANCHES

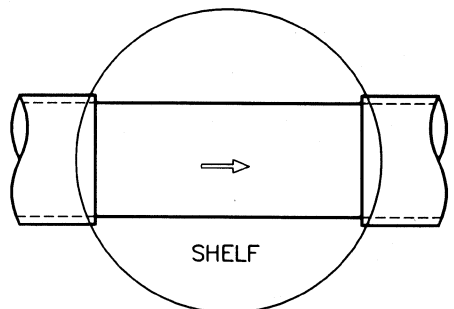
NOTE:

THE TOP HALF OF THE PIPE SHALL BE REMOVED TO THE CONTOUR OF THE INSIDE OF MANHOLE & THE BROKEN EDGES SHALL BE PLASTERED SMOOTH WITH CEMENT GROUT TYPICAL FOR ALL MANHOLE AS SPECIFIED.

CHANNELIZE IN DIRECTION OF FLOW (DO NOT INTRUDE MORE THAN 20% OF PIPE DIAMETER) (TYPICAL)



TYPICAL MANHOLE WITH 1 BRANCH



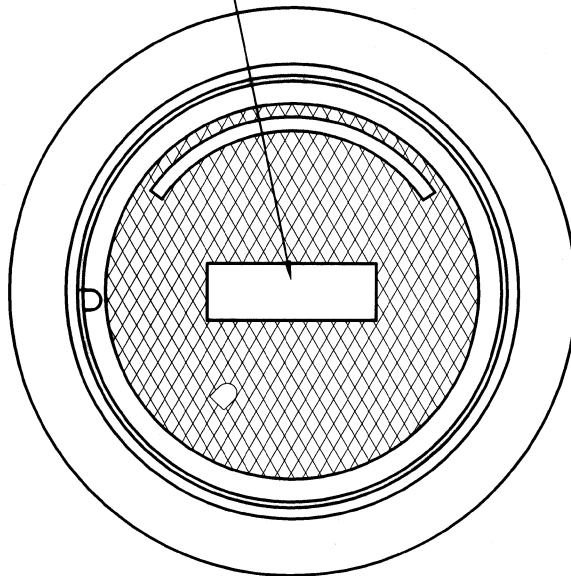
TYPICAL STRAIGHT THROUGH MANHOLE

Revision		Date	Approved
Drawn : QT		Date : 05-29-99	
Checked : RK		Scale : NTS	
APPROVED BY		No. 27089	
		P. 03-31-01	
06-29-99		27089	
DATE		R.C.E. NO.	

**CITY OF MOUNTAIN VIEW
DEPARTMENT OF PUBLIC WORKS
STANDARD DETAIL**

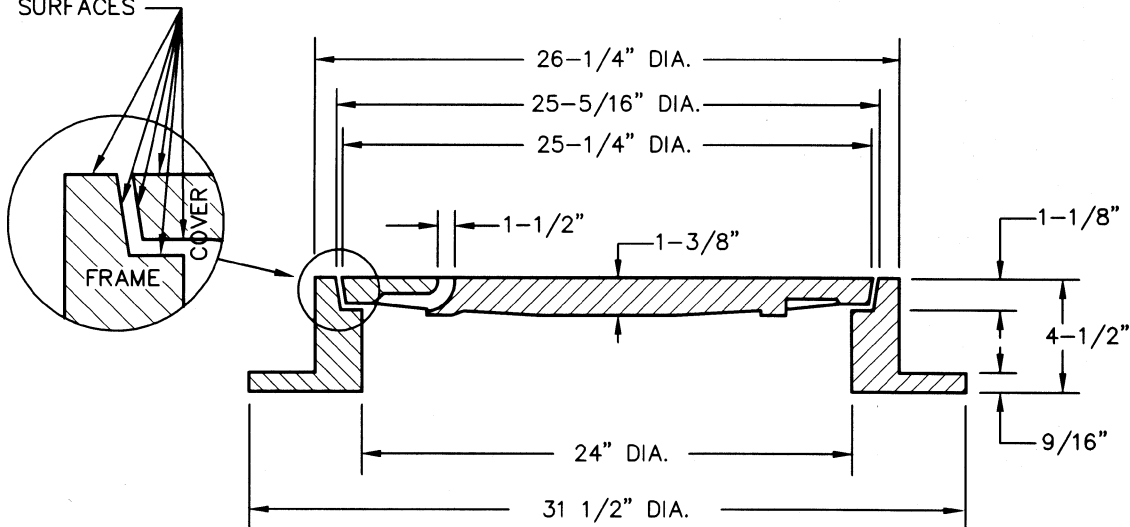
**SANITARY SEWER
STANDARD MANHOLE SECTIONS**

CITY OF
MOUNTAIN VIEW
SANITARY SEWER



PLAN - FRAME & COVER

MACHINED
SURFACES



SECTION - FRAME & COVER

PHOENIX IRON WORKS # P-1090

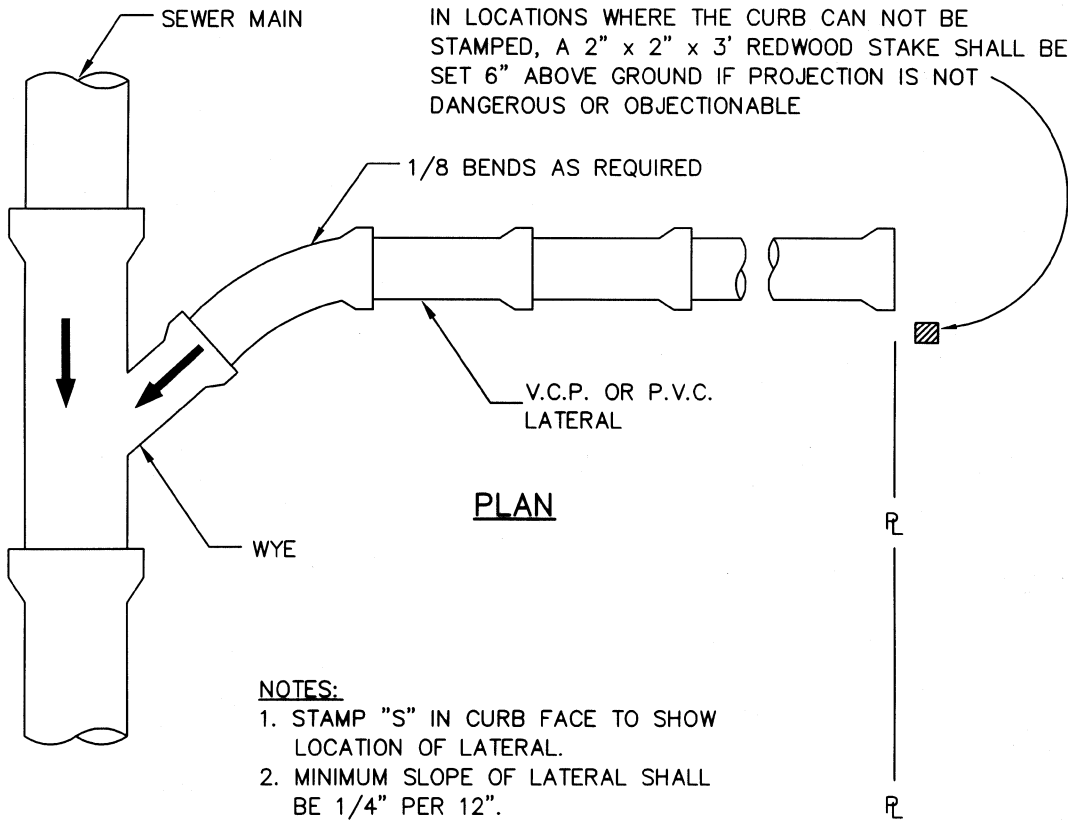
HANSON SBF 1900

**CITY OF MOUNTAIN VIEW
DEPARTMENT OF PUBLIC WORKS
STANDARD DETAIL**

**STANDARD SANITARY MANHOLE
FRAME & COVER**

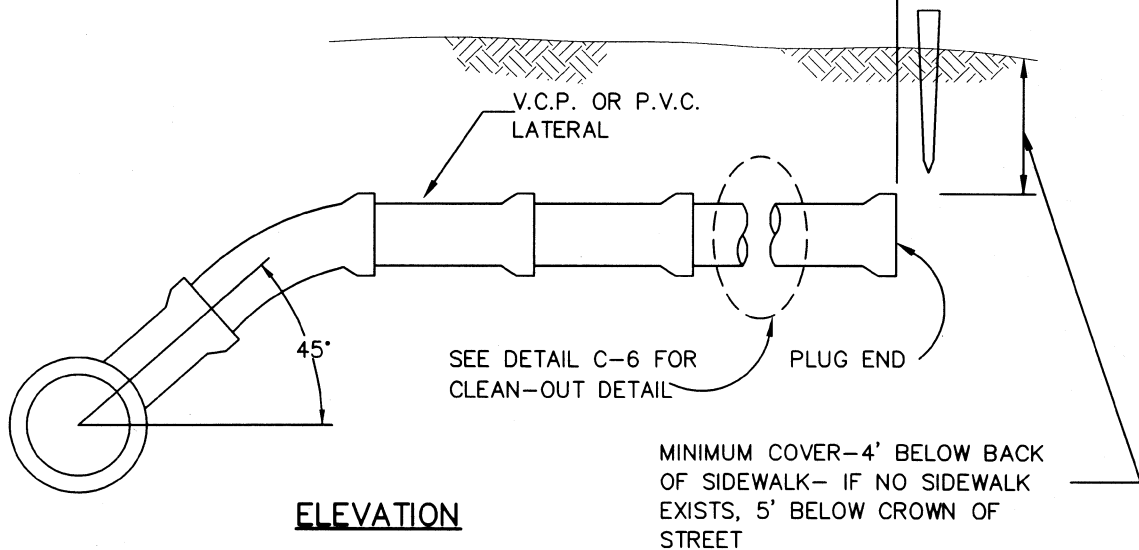
Revision	Date	Approved
Drawn : QT	Date : 05-20-99	
Checked : RK	Scale : NTS	
APPROVED BY: No. 27089 EXP. 03-31-01 <i>Timothy</i> REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA 06-29-99 DATE 27089 R.C.E. NO.		

FILE NO. C-3



NOTES:

1. STAMP "S" IN CURB FACE TO SHOW LOCATION OF LATERAL.
2. MINIMUM SLOPE OF LATERAL SHALL BE 1/4" PER 12".



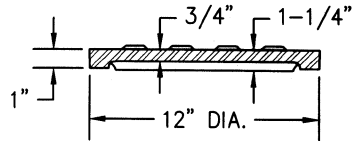
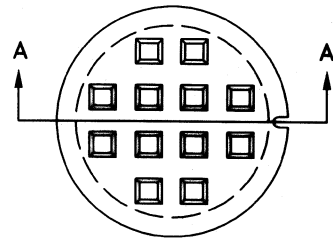
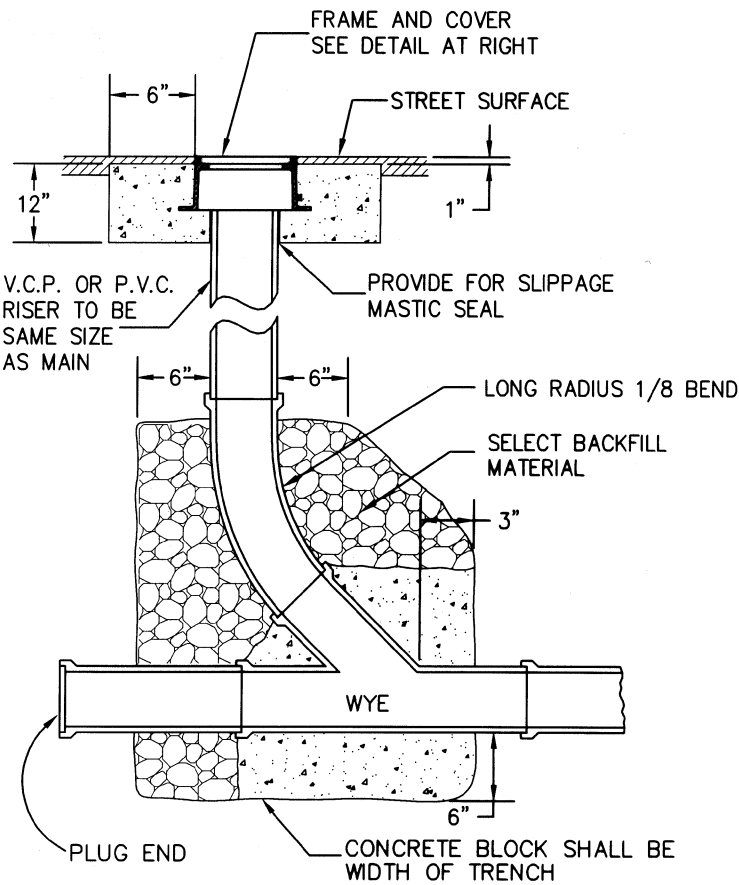
ELEVATION

**CITY OF MOUNTAIN VIEW
DEPARTMENT OF PUBLIC WORKS
STANDARD DETAIL**

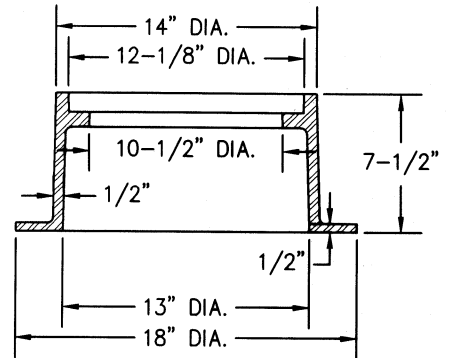
STANDARD SEWER LATERAL

Revision	Date	Approved
Drawn : QT	Date : 05-26-99	
Checked : RK	Scale : NTS	
APPROVED BY: <i>[Signature]</i> No. 27089 Exp. 03-31-01 ASSISTANT PUBLIC WORKS DIRECTOR		
06-29-99 DATE	27089 R.C.E. NO.	

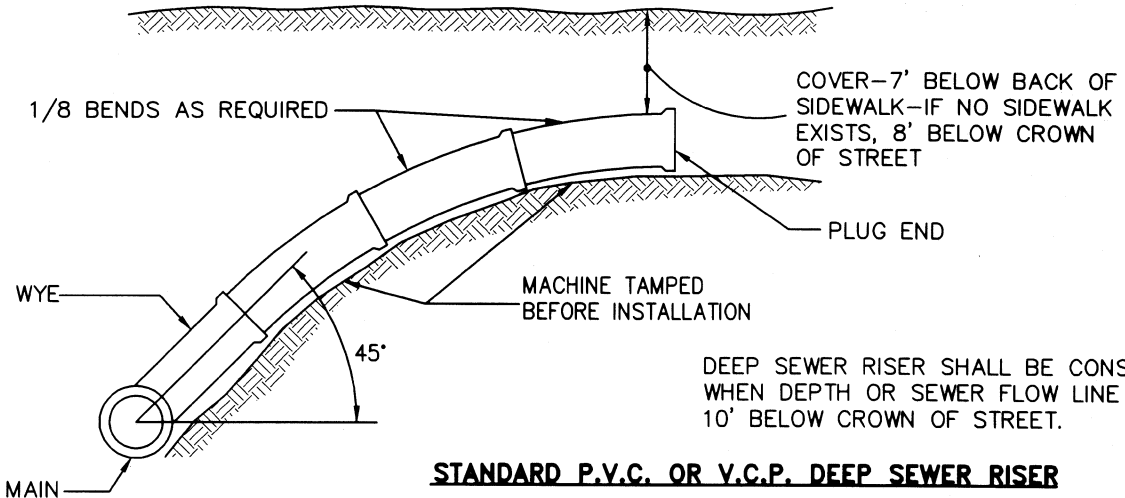
FILE NO. **C-4**



SECTION A-A



STANDARD SEWER MAIN CLEAN-OUT



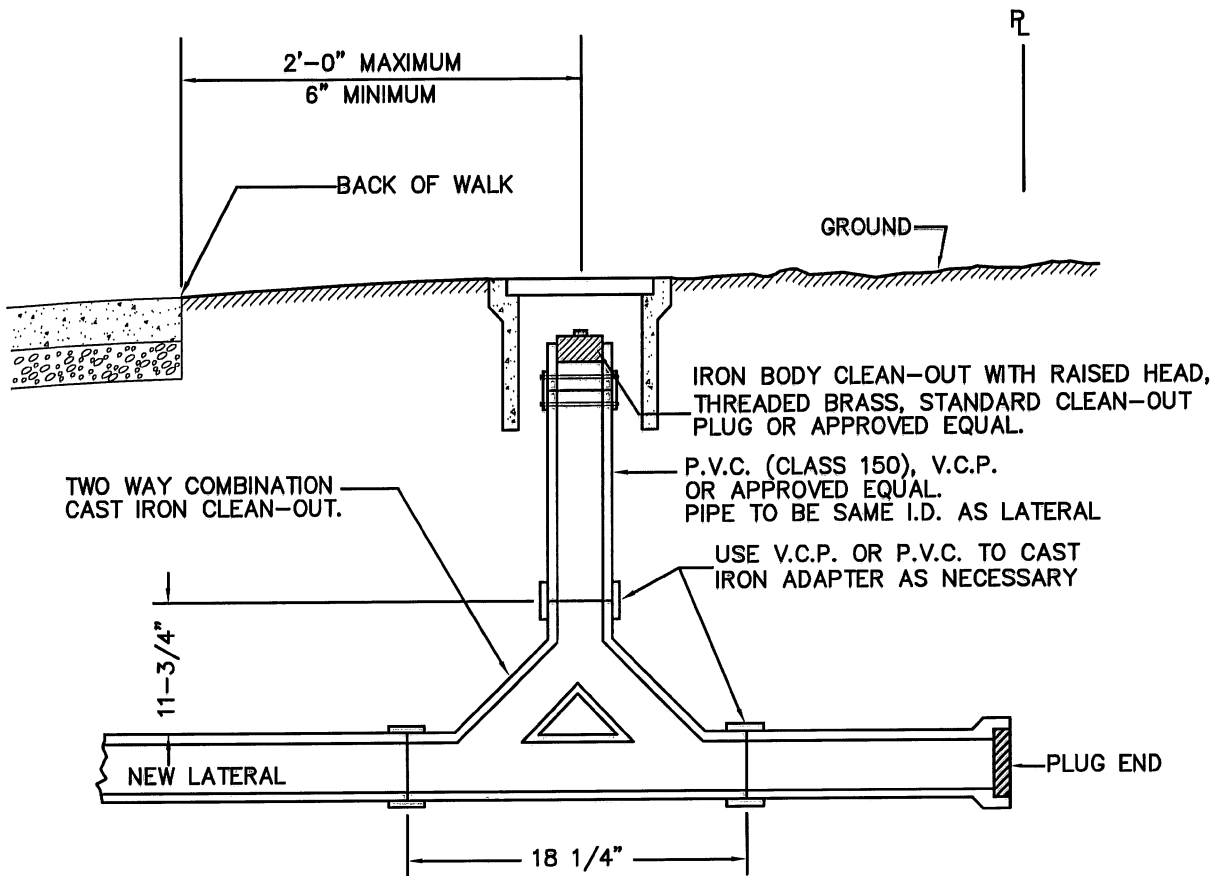
DEEP SEWER RISER SHALL BE CONSTRUCTED WHEN DEPTH OR SEWER FLOW LINE EXCEEDS 10' BELOW CROWN OF STREET.

STANDARD P.V.C. OR V.C.P. DEEP SEWER RISER

**CITY OF MOUNTAIN VIEW
DEPARTMENT OF PUBLIC WORKS
STANDARD DETAIL**

**STANDARD SEWER MAIN CLEAN-OUT &
STANDARD DEEP SEWER RISER**

Revision	Date	Approved
Drawn : QTA	Date: 7-05-99	
Checked : RKE	Scale: NTS	
APPROVED BY: <i>Timothy</i>		
No. 27089		
EXP. 03-31-01		
ASSISTANT PUBLIC WORKS DIRECTOR		
06-29-99	DATE	27089
		R.C.E. NO.



NOTES:

1. ALL CLEAN-OUT BOXES SHALL BE MANUFACTURED BY CHRISTY CONCRETE PRODUCTS WITH THE FOLLOWING SPECIFICATION NUMBERS:

	4" RISER	
	NON-TRAFFIC	TRAFFIC
BOX	V-1	G-5
LID	D-210	C-275

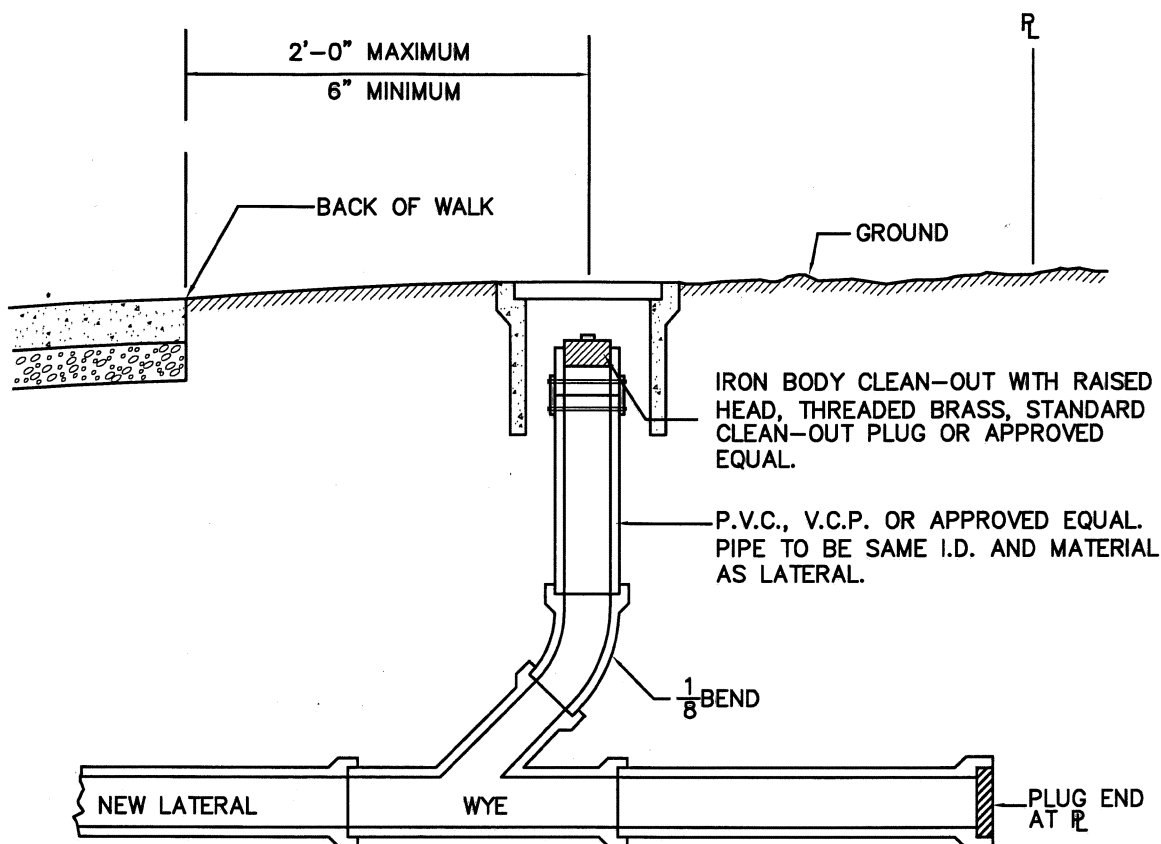
2. LIDS SHALL BE MARKED "SEWER"
3. BACKFILL FOR CLEAN-OUTS SHALL BE COMPACTED BY JETTING. TAMPING SHALL NOT BE PERMITTED.
4. LATERAL PIPE SHALL NOT BE CUT. "BANDSEAL" WILL NOT BE ALLOWED IN NEW LATERAL CONSTRUCTION.
5. STAMP OR GRIND FACE OF CURB WITH "S" WHERE LATERAL PASSES UNDER CURB, IF NOT PRESENT.

Revision	Date	Approved
Drawn : QT	Date : 02-25-05	
Checked : RK	Scale : NTS	
APPROVED BY: <i>[Signature]</i> No. 27089 EXR. 02-25-05 ASSISTANT PUBLIC WORKS DIRECTOR		
02-25-05 DATE	03-01-07 EXP.	27089 R.O.E. NO.

CITY OF MOUNTAIN VIEW
DEPARTMENT OF PUBLIC WORKS
STANDARD DETAIL

**SEWER LATERAL CLEANOUT
FOR NEW 4" LATERALS**

FILE NO. **C-6**



NOTES:

1. ALL CLEAN-OUT BOXES SHALL BE MANUFACTURED BY CHRISTY CONCRETE PRODUCTS WITH THE FOLLOWING SPECIFICATION NUMBERS:

	6" RISER		8" RISER	
	NON-TRAFFIC	TRAFFIC	NON-TRAFFIC	TRAFFIC
BOX	G-8	G-8	G-12	G-12
LID	C-276	C-276	C-280	C-280

2. LIDS SHALL BE MARKED "SEWER"
3. BACKFILL FOR CLEAN-OUTS SHALL BE COMPACTED BY JETTING. TAMPING SHALL NOT BE PERMITTED.
4. LATERAL PIPE SHALL NOT BE CUT. "BANDSEAL" WILL NOT BE ALLOWED IN NEW LATERAL CONSTRUCTION.
5. STAMP OR GRIND FACE OF CURB WITH "S" WHERE LATERAL PASSES UNDER CURB, IF NOT PRESENT.

CITY OF MOUNTAIN VIEW
DEPARTMENT OF PUBLIC WORKS
STANDARD DETAIL

Revision : QT Date : 02-25-05
Checked : RK Scale : NTS

APPROVED BY: *[Signature]*
No. 27089
EXP. 03-31-07
ASSISTANT PUBLIC WORKS DIRECTOR

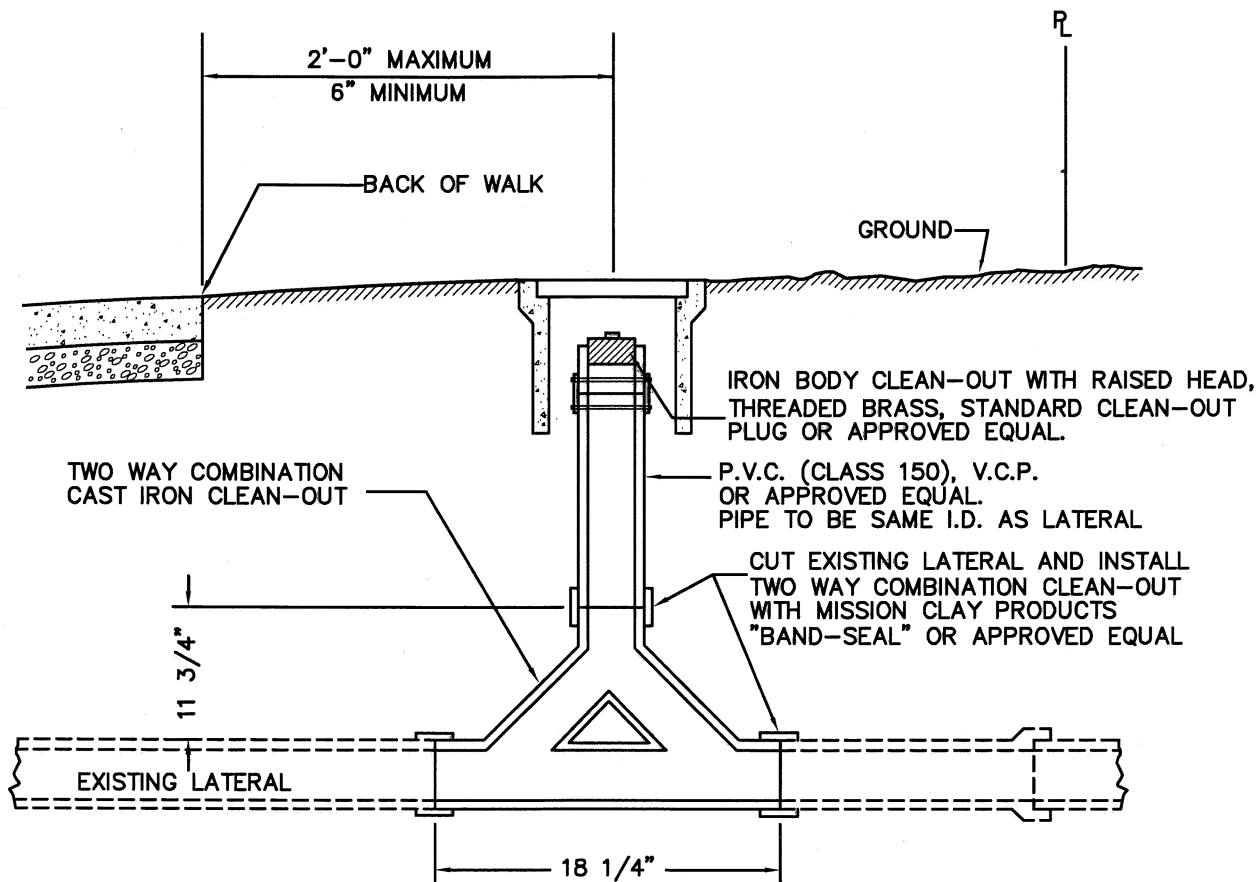
SEWER LATERAL CLEAN-OUT
FOR NEW 6" & 8" LATERALS

02-25-05
DATE

03-31-07
EXP.

27089
R.C.E. NO.

FILE NO. C-6A



NOTES:

- ALL CLEAN-OUT BOXES SHALL BE MANUFACTURED BY CHRISTY CONCRETE PRODUCTS WITH THE FOLLOWING SPECIFICATION NUMBERS:

	4" RISER	
	NON-TRAFFIC	TRAFFIC
BOX	V-1	G-5
LID	D-210	C-275

- LIDS SHALL BE MARKED "SEWER"
- BACKFILL FOR CLEAN-OUTS SHALL BE COMPACTED BY JETTING. TAMPING SHALL NOT BE PERMITTED.
- STAMP OR GRIND FACE OF CURB WITH "S" WHERE LATERAL PASSES UNDER CURB, IF NOT PRESENT.

CITY OF MOUNTAIN VIEW
DEPARTMENT OF PUBLIC WORKS
STANDARD DETAIL

SEWER LATERAL CLEAN-OUT
FOR EXISTING 4" LATERALS

Revision : QT Date : 02-25-05
Checked : RK Scale : NTS

APPROVED BY:

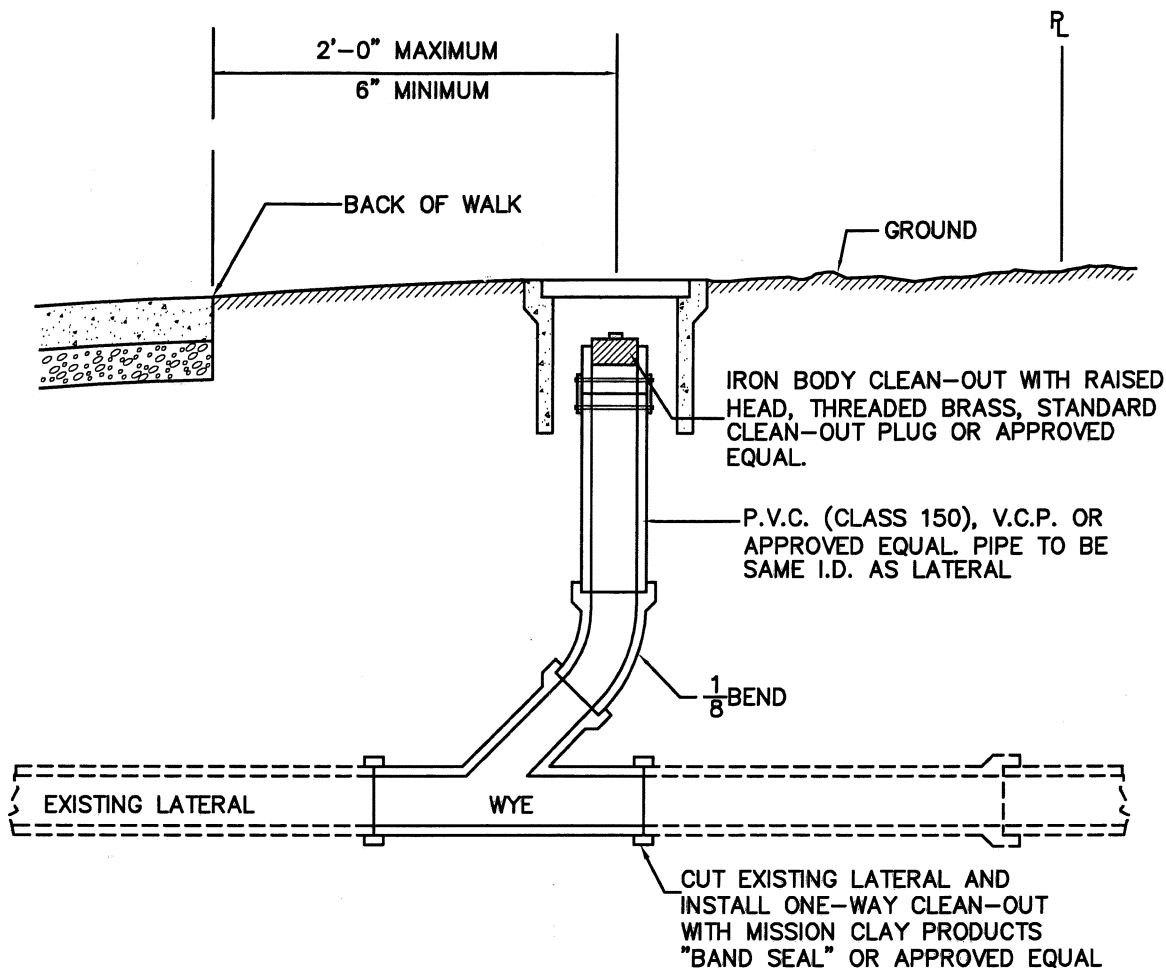
ASSISTANT PUBLIC WORKS DIRECTOR

02-25-05
DATE

03-31-07
EXP.

27089
R.C.E. NO.

FILE NO. C-7



NOTES:

1. ALL CLEAN-OUT BOXES SHALL BE MANUFACTURED BY CHRISTY CONCRETE PRODUCTS WITH THE FOLLOWING SPECIFICATION NUMBERS:

	6" RISER		8" RISER	
	NON-TRAFFIC	TRAFFIC	NON-TRAFFIC	TRAFFIC
BOX	G-8	G-8	G-12	G-12
LID	C-276	C-276	C-280	C-280

2. LIDS SHALL BE MARKED "SEWER"
3. BACKFILL FOR CLEAN-OUTS SHALL BE COMPACTED BY JETTING. TAMPING SHALL NOT BE PERMITTED.
4. STAMP OR GRIND FACE OF CURB WITH "S" WHERE LATERAL PASSES UNDER CURB, IF NOT PRESENT.

CITY OF MOUNTAIN VIEW
DEPARTMENT OF PUBLIC WORKS
STANDARD DETAIL

SEWER LATERAL CLEAN-OUT
FOR EXISTING 6" & 8" LATERALS

FILE NO. C-7A

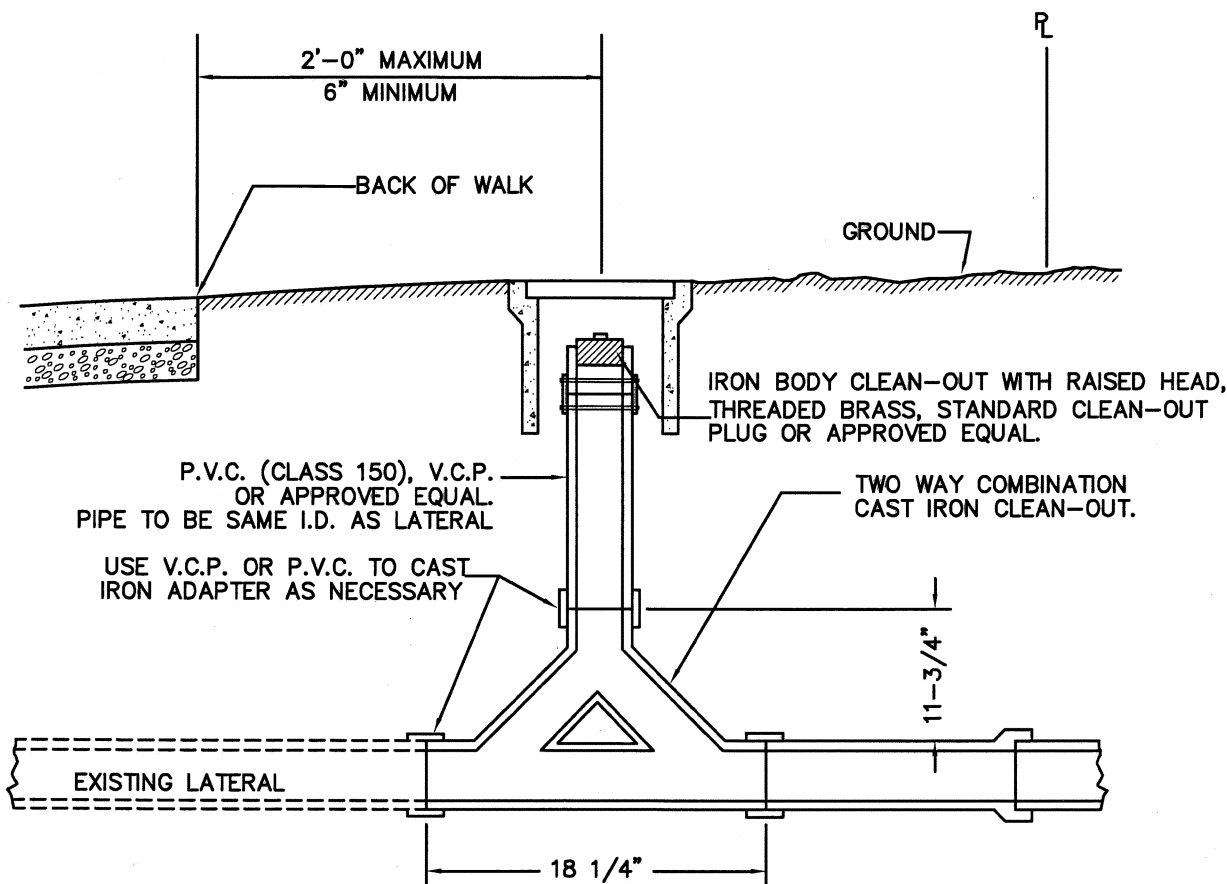
Revision : QT Date : 02-25-05 Approved :
Checked : RK Scale : NTS

APPROVED BY: *Timothy K. Smith*
ASSISTANT PUBLIC WORKS DIRECTOR

02-25-05
DATE

03-31-07
EXP.

27089
R.C.E. NO.



NOTES:

1. ALL CLEAN-OUT BOXES SHALL BE MANUFACTURED BY CHRISTY CONCRETE PRODUCTS WITH THE FOLLOWING SPECIFICATION NUMBERS:

	4" RISER	
	NON-TRAFFIC	TRAFFIC
BOX	V-1	G-5
LID	D-210	C-275

2. LIDS SHALL BE MARKED "SEWER"
3. BACKFILL FOR CLEAN-OUTS SHALL BE COMPACTED BY JETTING. TAMPING SHALL NOT BE PERMITTED.
4. CHANGES IN GRADE OR DIRECTION OF THE SEWER LATERAL SHALL BE MADE ON THE BUILDING SIDE OF THE WYE.
5. STAMP OR GRIND FACE OF CURB WITH "S" WHERE LATERAL PASSES UNDER CURB, IF NOT PRESENT.

CITY OF MOUNTAIN VIEW
DEPARTMENT OF PUBLIC WORKS
STANDARD DETAIL

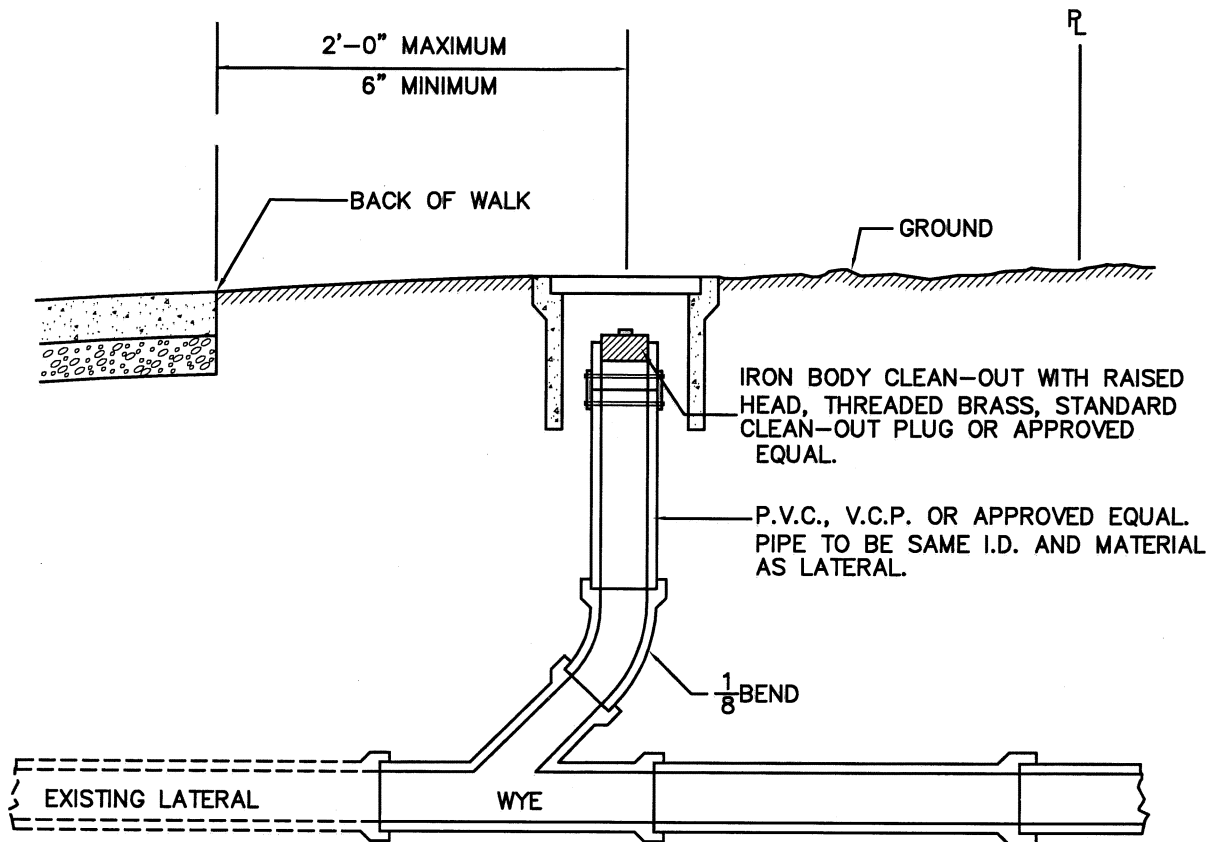
SEWER LATERAL CLEAN-OUT
FOR EXISTING 4" LATERAL STUBS

FILE NO. C-8

Revision : QT Date : 02-25-05 Approved :
Checked : RK Scale : NTS

APPROVED BY: *Samuel K. [Signature]*
No. 27089
EXP. 03-31-07
ASSISTANT PUBLIC WORKS DIRECTOR

02-25-05 DATE 03-31-07 EXP. 27089 R.C.E. NO.



NOTES:

1. ALL CLEAN-OUT BOXES SHALL BE MANUFACTURED BY CHRISTY CONCRETE PRODUCTS WITH THE FOLLOWING SPECIFICATION NUMBERS:

	6" RISER		8" RISER	
	NON-TRAFFIC	TRAFFIC	NON-TRAFFIC	TRAFFIC
BOX	G-8	G-8	G-12	G-12
LID	C-276	C-276	C-280	C-280

2. LIDS SHALL BE MARKED "SEWER"
3. BACKFILL FOR CLEAN-OUTS SHALL BE COMPACTED BY JETTING. TAMPING SHALL NOT BE PERMITTED.
4. CHANGES IN GRADE OR DIRECTION OF THE SEWER LATERAL SHALL BE MADE ON THE BUILDING SIDE OF THE WYE.
5. STAMP OR GRIND FACE OF CURB WITH "S" WHERE LATERAL PASSES UNDER CURB, IF NOT PRESENT.

Revision	Date	Approved
Drawn : QT	Date : 02-25-05	
Checked : RK	Scale : NTS	
APPROVED BY: <i>[Signature]</i> ASSISTANT PUBLIC WORKS DIRECTOR		
02-25-05 DATE	03-31-07 EXP.	27089 R.C.E. NO.

CITY OF MOUNTAIN VIEW DEPARTMENT OF PUBLIC WORKS STANDARD DETAIL	
SEWER LATERAL CLEAN-OUT FOR EXISTING 6" & 8" LATERAL STUBS	
FILE NO. C-8A	